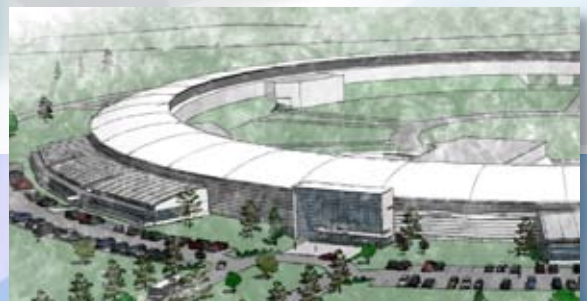




Fiscal Year 2007

Brookhaven National Laboratory
Annual Laboratory Plan (ALP)

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BROOKHAVEN
NATIONAL LABORATORY

Revision 5/07

The Laboratory begins FY2007 with a very optimistic view of our future. This year, we anticipate obtaining Department of Energy approval for the National Synchrotron Light Source-II project, completing the construction phase and beginning initial occupancy of the Center for Functional Nanomaterials, welcoming the arrival of a new 100-Teraflop computational capability, continuing outstanding science at RHIC, and taking on the exciting challenge of further refining our long-range vision for the future RHIC physics program. All of these achievements and activities move us towards our overall goal – to develop and sustain world-class research and development programs (R&D) that serve the needs of the nation.

At the same time, it is important to recognize that we also face significant challenges that we must meet in order to consider ourselves successful. Improving safety across the Laboratory and strengthening our cyber and physical security postures are top among these challenges. Perhaps no single issue is more important than the need to improve our safety record. Simply put, scientific results that come at a human cost cannot, and will not, be viewed as world-class.

Furthermore, our vitality and our competitiveness depend heavily on our ability to attract the best staff and to build and sustain relationships and partnerships among the many groups that can enhance or are impacted by our work. To succeed, we must optimize our investments and strive to design an environment that allows our scientific mission to flourish.

I have worked with Brookhaven's senior management to develop this Annual Laboratory Plan. This document sets forth the management agenda for the Laboratory in the coming year, and is meant to help focus our efforts and accountability so we can achieve the most important results. In addition, this plan communicates to all of our stakeholders our key priorities and expectations. I ask for and expect your support in executing this, the first BNL Annual Laboratory Plan.

A handwritten signature in black ink, appearing to read 'Sam Aronson', written in a cursive style.

Sam Aronson, Director

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The only official copy of this document is the one available through the Policy and Strategic planning web-site ([Http://intranet.bnl.gov/planning/](http://intranet.bnl.gov/planning/)). Before using a printed copy, verify that it is the current version by checking the revision date on the on-line version.

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Introduction

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The Fiscal Year 2007 Annual Laboratory Plan (ALP) (a.k.a. Business Plan) for Brookhaven National Laboratory defines the priorities and the targets for institutional performance for FY07. The ALP has been structured within the SFA framework, which is outlined in the Brookhaven National Laboratory Strategic Plan (BSP). For the laboratory to be successful in executing its strategy, a clear understanding of the institutional objectives and annual targets is needed, along with the alignment of resource investments to meet those objectives and a framework to monitor performance towards them. That is the purpose of the ALP; in each of the six areas of strategic focus, the goals and near-term objectives from the BSP are connected to targets for FY07 in this plan.

The ALP also establishes the framework for monitoring performance and progress towards meeting key institutional-level goals and objectives over the course of FY07. While achieving strategic objectives is critical for long-term success of the Laboratory, achieving those objectives at the cost of reduction in critical performance areas is counter productive and will inevitably impact the strength of the Lab Science and technology mission. Hence the ALP also encompasses performance monitoring for activities that are critical to sustaining the laboratory's current activities, as well.

The structure of the ALP is based on the six SFAs, which are:

- Advancing the Frontiers of Science
- Attracting and Sustaining Top Talent
- Modernizing the Laboratory Infrastructure
- Improving the Quality and Reducing the Costs of Doing Business
- Achieving Excellence in ESS&H
- Fostering Stakeholder Relationships

The first SFA, "Advancing the Frontiers of Science," encompasses the strategic elements needed to maintain, evolve, and grow the core business of the laboratory in a manner that supports the anticipated scientific and technological needs of the DOE and our other research sponsors. The other 5 SFAs represent the core elements that the laboratory must manage in order to successfully execute its business (science) strategy.

For each SFA, the plan consists of three basic elements 1) *Initiatives/Continuous Improvements*, 2) *Baseline Performance*, and 3) *Institutional Level Reviews/Assessments*. *Initiatives/Continuous Improvements* are activities that will significantly improve Laboratory capabilities and/or performance and require dedicated Laboratory resources and continual management attention to complete. "*Continuous Improvements*" relate to business and operational areas and are those activities that advance the effectiveness or efficiency in the

associated SFA. The term "*Laboratory Initiatives*" is reserved for marquee projects that will define the future state of the Laboratory. "*Directorate Initiatives*" are activities which are not of a similar scale or otherwise do not rise to the level of "defining the future of the Laboratory;" nonetheless they require institutional resources and attention to be successful.

Emerging Opportunities are also included under the Advancing the Frontiers of Science and Technology SFA. These are areas of focus that are anticipated to emerge as Laboratory or Directorate level initiative(s) over the near-term (1-2 years). While institutional resources may already be invested in research in these areas through Laboratory-Directed Research and Development or Program Development funds, a coherent set of activities and associated investment strategy has yet to be formulated.

In each SFA area, the *Baseline Performance* targets are the institution's expectations for performance. Baseline Performance defines the core areas of institutional performance that will be monitored and remain visible at the senior Management level.

Three Appendices are included:

- Appendix A lists the *Fiscal Year 2007 DOE and Third-Party Institutional Level Review/Assessment Schedule*.
- Included as Appendix B is *The Laboratory Calendar of Planning and Assurance Events*. It lists the key activities and events that will shape BNL planning and performance management activities over the course of the coming year.
- Finally, Appendix C provides a list of *Abbreviations and Acronyms* which are used throughout the ALP.

There are many assumptions that have been made in developing ALP objectives and targets. The principle assumption is that the American Competitiveness Initiative (ACI) will sustain the support of Congress and the President's budget request for FY07 will be passed, in large measure, by both Houses of Congress and signed into law. This has very significant impact on our top priority, the National Synchrotron Light Source II (NSLS-II) project, and the overall budget for operation of the two major user facilities (the Relativistic Heavy-Ion Collider and the NSLS) and the completion of construction of the Center for Functional Nanomaterials. Additionally, there are significant developments in the scientific programs within the scientific Directorates that hinge on the success of the ACI and the President's Energy Initiative. As events and conditions change throughout the course of the fiscal year, it is expected that the ALP objectives and targets will need to be updated to reflect changes to assumptions, as we refine our understanding of opportunities and risks, and as events and issues unfold.

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Advancing the Frontiers of Science and Technology

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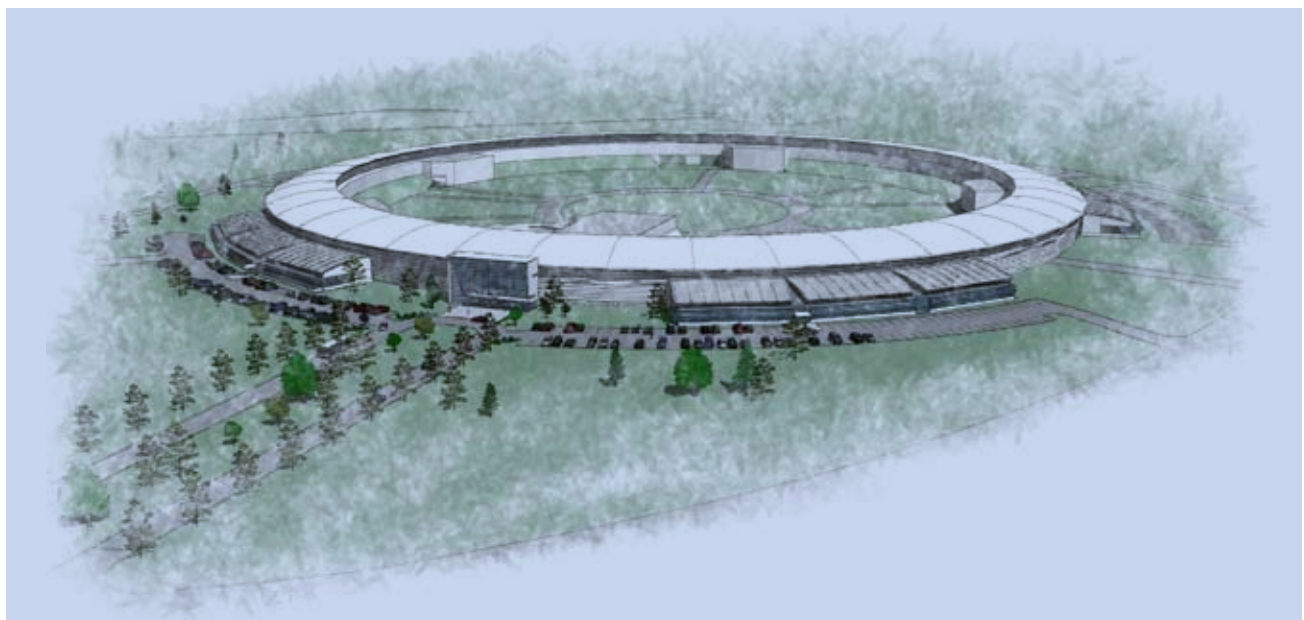
Goal: To develop and sustain world-class research and development programs (R&D) that serve the needs of the nation, further the missions of the Department of Energy and other research sponsors, educate and train future scientists and engineers, and sustain the vitality of the Laboratory.

Laboratory Initiatives

National Synchrotron Light Source-II (NSLS-II)

Goal: Design, construct, and efficiently operate the world leading synchrotron light source capable of delivering unprecedented spatial (1 nm) and energy resolution (0.1meV) for studies of the electronic, chemical, and physical properties of materials.

Objectives	FY07 Targets	Owner
Establish NSLS-II as a formal DOE Project and secure BNL as the NSLS-II site	Complete CDR	Dierker
	Obtain CD-1	Dierker
	Secure NSLS-II project funds	Dierker/Lynch/Aronson/BSA
	Secure Funding for the Joint Photon Science Institute (JPSI) Building	Dierker/Lynch/Aronson/BSA
Stakeholder Relations	Communicate project status and engage the community in project planning	Dierker/Lynch
Project Readiness	Recruit and evolve project staff	Dierker
	Construct additional NSLS-II Project office building	Dierker/Bebon
	Complete Environmental Assessment (EA)	Dierker/Tarpinian
Site-Readiness	Develop and execute warehouse Removal Plan	Bebon
Execute Project Plan; Transition Project to Engineering Phase	Contract Architect/Engineer firm for project and carry out Project Engineering Design (PED).	Dierker
	Conduct R&D activities as planned	Dierker



Nanoscience

Goal: Become a world leader in the design, fabrication, and characterization of materials and systems at the nanoscale, especially focused on energy security.

Objectives	FY07 Targets	Owner
Establish Leadership for BNL Nanoscience Program	Recruit Director for the Center for Functional Nanomaterials (CFN)	Gibbs
Complete CFN On-Time, On-Budget	Obtain CD-4a	Harrison
Equip CFN	Procure/Install 90% of technical equipment	Harrison
Forefront Scientific Staff	Recruit key strategic hires	Gibbs/CFN Director
Impact of BNL Nanoscience	Develop industrial outreach strategy	Gibbs
Stakeholder relations	Engage the community in the Lab's nanoscience research efforts and goals of the CFN, including ES&H	Lynch/Gibbs



A Quantum Chromodynamics (QCD) Laboratory at the Relativistic Heavy Ion Collider (RHIC)

Goal: Become the world-leading laboratory for high-energy, nuclear, and spin physics research

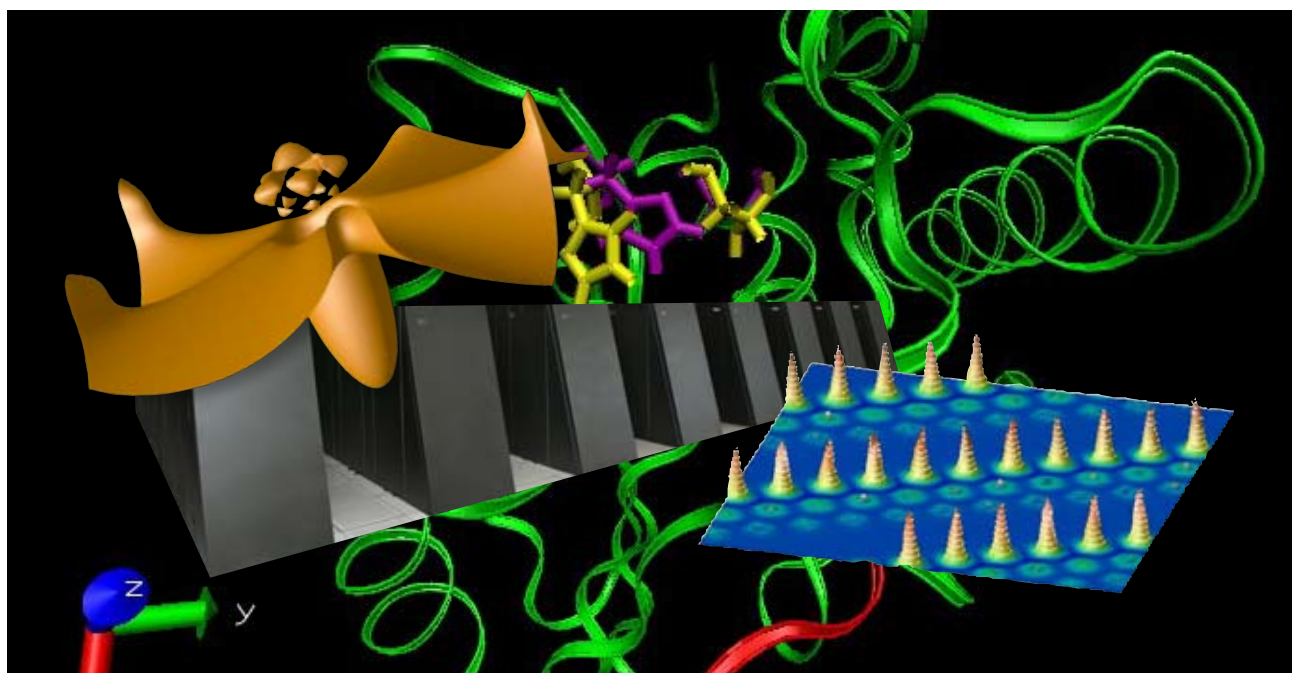
Objectives	FY07 Targets	Owner
Execute Mid-term Plan for RHIC detector and luminosity upgrades.	Secure funding for FY07 detector upgrade starts	Bond/Ludlam
	Secure CD-0 for e-cooling project	Bond/Lowenstein
Develop compelling scientific vision for future RHIC physics program	Develop scientific case for townhall meetings and inclusion in the Nuclear Science Advisory Committee (NSAC) Long Range Plan (LRP).	Aronson/Bond
Establish Leadership for BNL Nuclear and Particle Physics (NPP) Directorate	Hire an ALD for NPP	Aronson
Secure Stakeholder Support	Develop and implement communications and government relations strategy	Aronson/Bond/Lynch
	Pursue JLab participation/ partnership in QCD co-Laboratory	Aronson/Bond
Improve RHIC operations, its reliability and reduce operating costs	Obtain CD-2 and CD-3 for the Electron Beam Ion Source (EBIS)	Bond/Lowenstein
Improve Lattice Gauge calculations capability	Port Lattice QCD Code to BlueGene/L environment.	Bond/Dawson



Scientific Computing

Goal: Establish a leading computational science effort at BNL and become a vital resource for scientific computing in New York State and the Northeast Region

Objectives	FY07 Targets	Owner
Acquire and operate BlueGene/L	Secure funding for installation of BlueGene/L at BNL	BSA/Aronson
	Complete Space Renovations and provide additional utility capacity	Bebon
	Install BlueGene/L at BNL	Bond/Schlagel
	Develop operations model for SBU/BNL/IBM supercomputer	Aronson/BSA(SBU)
	Secure long-term operational funding	Aronson/BSA (SBU)
Establish New York Center for Computational Science (NYCCS) at BNL with SBU	Recruit NYCCS Director	Aronson/BSA (SBU)
	Develop coherent science strategy for computational science at BNL	Aronson/NYCCS Director/BSA (SBU)



2.2 Directorate Initiatives

Translational Biomedical Imaging

Goal: Develop advanced imaging instruments and techniques to understand and treat addiction and other maladies.

Objectives	FY07 Targets	Owner
Evolve laboratory programs to increase emphasis on instrument and technique development and translation to clinical practice	Establish partnerships with Albert Einstein and Cold Spring Harbor, New York University	Henn
	Develop strategy for program evolution	Henn
	Submit proposals for NIH funding for BNL-Mount Sinai Center for Translational Biomedical Imaging.	Henn
	Evaluate scientific and business case for magnet replacement and joint appointments	Henn/BSA (SBU)

2.3 Emerging Opportunities

Energy-Related Research and Development

Goal: Establish BNL as a recognized laboratory for energy R&D

Objectives	FY07 Targets	Owner
Complete and implement a comprehensive Lab strategy for Energy R&D	Complete Energy Strategic Plan and business case for targets of opportunity	Gibbs/James
	Develop comprehensive LDRD/Program Development investment plan for FY08	Gibbs/James
	Identify strategic hires in key areas; re-orient, re-build, programs as appropriate	Gibbs/James/Henn
	Identify and pursue key R&D partnerships	Gibbs/James/Henn
	Identify and pursue key FWP calls (solar, GTL-biofuels, GNEP/nuclear ...)	Gibbs/James/Henn

Advanced Radiation Detectors

Goal: Develop leading program in advanced materials for radiation detection devices.

Objectives	FY07 Targets	Owner
Develop a strategic plan for Adv. Radiation Detection R&D at BNL in conjunction with BES, Life Sciences, Light Source, NPP.	Complete SWOT Analysis	James
	Develop business case	James
	Present to S&T Steering Committee for Review	James & BSA

2.4 Baseline Performance

Objectives	FY07 Targets	Owner
Maintain strength of core research programs and meet sponsor expectations	RHIC, NSLS, Free Air Carbon Dioxide Enrichment (FACE) facility, and mobile Atmospheric Radiation measurement (ARM) facility meet OMB PART and DOE minimum performance metrics (e.g. Joule reports)	Bond/Dierker/James
	Peer reviews confirm the strength of core science programs	Science ALDs
	Timely response to recommendations from program reviews	Science ALDs
	Effective engagement of S&T steering committee	Bond/Aronson/BSA
Anticipate trends in national R&D priorities and funding	BNL representation on national R&D advisory committees and working groups	Science ALDs
Effectively and proactively transfer BNL Technologies	Clear and Comprehensive Intellectual Property (IP) strategy for BSA	Looney

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Attracting and Sustaining Top Talent

Goal: BNL will attract and sustain the staff to maintain and evolve core competencies and execute the lab strategy. We will also be viewed as being the employer of choice and we will work in an environment that fosters innovation, respects diversity, and behaves ethically. To this end, we will offer the following:

- Stimulating, meaningful work based on a shared vision throughout the Laboratory,
- Attractive, competitive compensation and benefit plans,
- Appropriate reward systems in place to recognize performance and achievement,
- Opportunities to enable staff to develop their capabilities to the fullest potential.

Continuous Improvement

Objectives	FY07 Targets	Owner
Effective and Efficient Recruitment of Strategic Hires	Resource loaded strategic hire list developed and executed	ALDs/ Hempfling/BSA
	Integrate strategic hires with annual lab planning	Hempfling/Looney
Competitive Compensation and Appropriate Reward System	Develop additional career steps (e.g. distinguished member of technical staff or other) for scientific staff	Aronson/ Bond/Hempfling/ BSA
Consistent and effective management principles and practices	Survey needs and develop and conduct management symposia	Aronson/Hempfling/Looney

Baseline Performance

Objectives	FY07 Targets	Owner
Inclusive Work Environment	Develop clear strategy for cultivating underrepresented staff for scientific research positions	Aronson/Kendall
Retain High Performing Staff	Aggressive recognition practices (awards, bonuses)	Hempfling/all ALDs
Viable succession candidates for key lab staff	Key staff identified	Hempfling/all ALDs
	Succession/development plans defined and executed	Hempfling/all ALDs

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Modernizing the Laboratory Infrastructure

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Goal: Provide a world-class platform for forefront scientific research. Our site and infrastructure will:

- Convey a positive image of the Laboratory as a forefront, world-class laboratory.
- Serve as a recruiting tool to aid in attracting and sustaining top talent.
- Provide state-of-the-art scientific support facilities
- Provide a work environment that is operationally reliable, and cost competitive.

Continuous Improvement

Objectives	FY07 Targets	Owner
Build and occupy Research Support Building (RSB)	On-Time On-budget construction CD 4	McNerney
	Refine and execute RSB Consolidation Plan	McNerney
Lab Renovation	Obtain CD1, CD2 for Science Lab renovation phase 1	McNerney
Renovate Housing	Work w/ DOE on approaches to alternative financing.	Bebon/ BSA
Reduce Maintenance Backlog	Develop and execute clear business strategy to meet SC deferred maintenance backlog goals.	McNerney

Baseline Performance

Objectives	FY07 Targets	Owner
Reliable Facilities	Electrical/Utility and Building/Facility Reliability >=99.96%	McNerney
	Maintenance Investment Index >= 100% of Targeted Levels (i.e. 2% of RPV)	McNerney
	Asset Condition Index >=95%	McNerney



Improving the Quality and Reducing the Cost of Doing Business

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Goal: Foster an on-going process of sizing services according to need in a cost efficient manner that optimally aligns resources and actions to achieve our strategic goals.

Continuous Improvement

Objectives	FY07 Targets	Owner
Align resources with strategic objectives	Reinvigorate org unit business planning process	Looney/Hauser
	Allocate FY08 G & A budgets and establish performance plans to execute Annual Lab Plan	Aronson/Looney/Hauser
Net electricity cost remains at ~ 50% of the “prevailing cost of power” on Long Island	Establish and sustain New York State government officials support for favorable electric power rates for BNL	Aronson/Lynch/Bebon/BSA (SBU)
	Develop and Implement a strategy for negotiating renewal of the NYPA contract.	Bebon/BSA (SBU)
	Complete feasibility study for alternative electrical capacity and/or energy suppliers.	Bebon
Establish and Sustain Project Management Capabilities	Develop and define BNL project management system	Bebon
	Achieve Earned Value Management System (EVMS) certification	McNerney

Baseline Performance

Objectives	FY07 Targets	Owner
Provide and execute effective financial management system controls	Complete OMB-123 implementation	Hauser
	Internal Audit concludes adequate controls of institutional financial systems	Hauser
	Certified BNL financial statements	Hauser
Effective corporate assurance	Assurance reports to corporate risk committees reflect a comprehensive and objective assessment of institutional risks	Looney/ Hempfling/ Bebon/ Hauser
Meet contract performance expectations	DOE rating >=B+	All ALDs

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Achieving Excellence in ESS&H

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Goal:

- To create an injury-free environment for ourselves, our coworkers and our guests
- Ensure the security of our employees, contractors, visitors and guests; safeguard DOE and BSA assets, and safeguard classified material and hazardous material in the interest of national security
- Conserve resources and minimize or eliminate adverse environmental effects and risks to the public and the environment that may be associated with our research and operations.

Continuous Improvement

Objectives	FY07 Targets	Owner
Revitalize Integrated Safety Management (ISM) at BNL	Execute the ISM/Safety Improvement Project Plan, including a comprehensive internal communications plan	Bebon/Tarpinian/Looney/Lynch/BSA (Battelle)
	Achieve a favorable outcome from the SP/ISM review	All ALDs/BSA (Battelle)
	Develop and implement an approved corrective action plan (CAP) in response to the C-AD arc flash incident and subsequent laboratory and Type B investigations.	Aronson
	Receive DOE's approval of the BNL Worker Safety and Health Programs required by 10CFR851	Tarpinian
Transition BNL to a culture of injury prevention	Implement safety observation program for level 1, 2 and 3 managers	Tarpinian/ BSA (Battelle)
	Develop and implement Human Performance Initiative strategy and internal communications and stakeholder engagement plan	Bebon/BSA (Battelle)
Emergency Preparedness-Achieve and sustain full compliance with DOE O 151.1	Update site-wide Hazards Survey (HS)	McNerney
	Complete required Emergency Planning Hazards Assessments (EPHA)	McNerney
Secure network system	Achieve a satisfactory rating for the OA Cyber Security Audit	Schlagel/BSA (Battelle)
	Achieve approved Certification & Accreditation package with 3-year authority to operate.	Schlagel/BSA (Battelle)
Upgrade, verify, and sustain facility authorization basis documents and associated management processes	Complete review and analysis of Facility Safety Management System authorization basis requirements and implementation. Prioritize and execute corrective actions.	Tarpinian
	Define and implement a Nuclear Unreviewed Safety Issue Determination process for nuclear facilities downgraded by analysis	Tarpinian/Hill/Henn
	Upgrade the Waste management Facility Hazard Analysis and Documented Safety Analysis to meet current DOE expectations.	Tarpinian

Baseline Performance

Objectives	FY07 Targets	Owner
Third-Party verification of ESS&H program effectiveness	Maintain ISO 14001 Registration and EPA Performance Track membership	Tarpinian/All ALDs
	Achieve and maintain Lab-wide OHSAS 18001 registration	Tarpinian/All ALDs
Emergency Preparedness-Achieve and sustain full compliance with DOE O 151.1	Update site-wide hazard analysis	McNerney
Continual reduction of non-programmatic hazard profile	Reduce the nuclear materials inventory	Bebon/Tarpinian
Reduce impact of legacy activities of the laboratory	Risk Screening/Assessment of Legacy Environmental Projects	Bebon/Tarpinian
	Complete ROD for g-2 tritium plume	Bebon/Tarpinian/Lowenstein

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Fostering Stakeholder Relationships

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Goal: BNL will establish and sustain constructive relationships with targeted stakeholders to support the scientific and operational priorities articulated in the Lab's strategic and business plans and continue to be recognized by these stakeholders as a world-

Continuous Improvement

Objectives	FY07 Targets	Owner
Strengthen Relationships with DOE Office of Science (SC)	Pilot “customer survey” and based on the results of the survey, develop and implement a focused plan to enhance and strengthen relationships with key SC customers	Lynch in conjunction with Lab Director and Science ALDs
Support DOE Effort to develop a sustained workforce of scientists, engineers, and technicians	Build relationships with targeted educational institutions, including Historically BCUs and minority serving institutions, BSA university partners, and regional universities, community colleges, and K-12 schools	Lynch/Science ALDs
	Expand relationships with local and state education institutions, teachers, elected and government officials.	Lynch/Science ALDs
Manage issues and build internal and external stakeholder support for science and operational priorities at the Lab	Support the development and implementation of communications and community involvement plans for lab science and operational priorities	Lynch/Science and Support ALDs
	Develop and implement plan for institutional graphic identity	Lynch

Baseline Performance

Objectives	FY07 Targets	Owner
Maintain and cultivate strategic partnerships	Community Advisory Council (CAC) active, engaged in Lab decisions, and supportive of Lab Plans	Aronson/ Lynch
	Cultivate relationships with federal, New York State and Long Island elected and government officials and their staffs	Aronson/Lynch/Science & Support ALDs
	Cultivate relationships with science writers, reporters and editorial writers	Lynch
	Cultivate and engage the educational community in Lab programs	Lynch
	Continue to build relationships with targeted business, civic, government and not-for-profit organizations	Aronson/Lynch/Science & Support ALDs
Continue to support Lab priority programs and promote Lab accomplishments	Continue to develop and implement communications and community involvement programs for major Lab issues, including, but not limited to, the HFBR, BGRR, cyber security, safety and security	Aronsons/Lynch/Science and Support ALDs
Promote Lab as ESS&H Steward	Continue to develop and implement strategic communications, community engagement and government relations plans to promote Lab priority programs and accomplishments to external and internal audiences.	Bebon/Lynch/Support ALDs and Level 2s
Sustain user community and their support of BNL	BNL laboratory management engaged in user concerns re: user life at BNL	All science ALDs/ McNerney
	Laboratory management informs users of laboratory plans and issues in a timely manner	Aronson/Lynch/All science ALDs
Effective internal communications	Provide opportunities for employee communication and engagement on Lab priority programs and major issues.	Aronson/ Lynch




Appendix A: Fiscal Year 2007 Institutional Level DOE and third-party Review/ Assessment Schedule

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The following is a list of FY 2007 institutional-level assessments that will be conducted by the Department of Energy or third-party entities (e.g. registration bodies). Many additional assessments are planned throughout the course of the year at the organizational and management system levels.

SFA/Assessment Title	Scheduled Date	Review Type /Reviewer
Advancing the Frontiers of Science		
EBIS SC/Lehman Review-CD-2 Readiness	TBD	DOE-SC/Lehman
EBIS SC/Lehman Review-CD-3 Readiness	TBD	DOE-SC/Lehman
Input to RHIC II CD-0 preparation by DOE	TBD	
NSLS-II Lehman Review-CD-1 Readiness	December	DOE-SC/Lehman
Nanoscience Lehman Review-CD-4a readiness	April	DOE-SC/Lehman
HEP Review	April	DOE/HEP
RHIC S&T Review	July	DOE/NP
DOE Chemical Physics Program Review	October	DOE/BES
DOE Catalysis Program Review	spring 2007	DOE/BES
DOE Management of Materials Sciences Programs Review	spring 2007	DOE/BES
DOE Chemical Sciences programs Review	spring 2007	DOE/BES
Attracting and Sustaining Top Talent		
None Scheduled	---	---
Modernizing the Laboratory Infrastructure		
None Scheduled		
Improving the Quality and Reducing the Cost of Doing Business		
Earned Value Management System Certification	1st Qtr	DOE
Certified BNL Financial Statements	2nd Qtr	Independent Auditor
Laboratory Event and Issues Management Effectiveness	4th Qtr	TBD
Certified CY06 Retirement Plan and 401K Financial Statements	4th Qtr	Independent Auditor
Achieving Excellence in ESS&H		
BNL's Unclassified Cyber Security Program	1st Qtr	DOE/SP
Follow-up from McCallum-Turner 2005 ISM Readiness Review	1st Qtr	BNL/BSA
Material Handling	1st Qtr	BHSO/CH ISC
Laser Safety	2nd Qtr	BHSO/CH ISC
Electrical Safety (Energized work, NFPA 70 E, Arc Flash Type B follow-up)	3rd Qtr	BHSO/CH ISC
EMS/OHSAS (ISO 14001, OHSAS 18001) Registration Audit	3rd Qtr	3rd Party-NSF
DOE ISM/Emergency Management Review	3rd-4th Qtr	DOE/HSS
Site-wide Emergency Exercise	4th Qtr	BNL/BHSO
Inspection of Safeguards and Security	4th Qtr	DOE/CH
ISM/Safety Improvement Project Plan	4th Qtr	DOE/BHSO
Fostering Stakeholder Relationships		
Sponsor Satisfaction Survey	2nd Qtr	CEGPA and CTAP Panelist
CTAP Peer Review	4th Qtr	3rd Party-CTAP



Appendix B: FY07 Calendar of Events

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The following is a list of major institutional level planning and assurance events and deliverables in Fiscal Year 2007.

Event	Scheduled Date
Brookhaven Science Associates Events/Deliverables	
Senior Management Retreats	
Director's Annual Performance Review Retreat	12/2006
Director's Annual Laboratory Plan Meeting	3/2007
BSA-BHSO Partner's Retreat	6/2007
Director's Strategic Retreat	6/2007
BSA Board Meetings	
BSA Assurance/Risk Committees and Board Meeting	10/2006
BSA Assurance/Risk Committees and Board Meeting	3/2007
BSA Assurance/Risk Committees and Board Meeting	7/2007
BSA Assurance/Risk Committees and Board Meeting	10/2007
BSA S&T Steering Committee Meetings	
BSA S&T Steering Committee Meeting	1/2007
BSA S&T Steering Committee Meeting	3/2007
BSA S&T Steering Committee Meeting	6/2007
Policy Council Performance Evaluation Meetings	
FY 2007 Q1 Policy Council Performance Meeting	1/2/2007
FY 2007 Q2 Policy Council Performance Meeting	4/3/2007
FY 2007 Q3 Policy Council Performance Meeting	7/3/2007
Laboratory Performance Reports and Self-Assessments	
FY 2006 Final Year-End Evaluation Report Due to BHSO	11/2006
FY 2007 Q1 Report to BHSO	1/2007
FY 2007 Q2 Report to BHSO	4/2007
FY 2007 Q3 Report to BHSO	7/2007
BHSO-BSA Quarterly Performance Reviews	
BHSO-BSA FY 2007 Q1 Performance Meeting	1/2007
BHSO-BSA FY 2007 Q2 Performance Meeting	4/2007
BHSO-BSA FY 2007 Q3 Performance Meeting	8/2007
Corporate Assurance Reports	
Assurance Letter From BSA Corporate to BHSO	12/2006
FY 2007 Q1 BNL Assurance Reports to BSA	2/2007
FY 2007 Q2 BNL Assurance Reports to BSA	6/2007
FY 2007 Q3 BNL Assurance Reports to BSA	9/2007
FY 2007 Annual OMB 123 Submission to DOE	9/2007

Appendix C: Acronyms and Abbreviations

ACI	American Competitiveness Initiative	GTL	Genomes to Life
ALD	Assistant/Associate Laboratory Director	HEP	Office of High Energy Physics
ALP	Annual Laboratory Plan	HFBR	High Flux Beam Reactor
ANL	Argonne National Laboratory	IA	Internal Audit
ARM	Atmospheric Radiation Measurement	IBM	International Business Machines
ASCR	Office of Advanced Scientific Computing Research	IP	Intellectual Property
BCUs	Black Colleges and Universities	ISM	Integrated Safety Management
BER	Office of Biological and Environmental Research	ISO	International Organization for Standardization
BES	Office of Basic Energy Sciences	JLab	Thomas Jefferson National Laboratory
BESAC	Basic Energy Sciences Advisory Committee	JPSI	Joint Photon Science Institute
BG/L	BlueGene/L Computer	LDRD	Laboratory Directed Research and Development
BGRR	Brookhaven Graphite Research Reactor	LRP	Long Range Plan
BHSO	Brookhaven Site Office	MSSM	Mount Sinai School of Medicine
BNL	Brookhaven National Laboratory	NIH	National Institutes of Health
BSA	Brookhaven Science Associates	NPP	Nuclear and Particle Physics
BSP	Brookhaven National Laboratory Strategic Plan	NSAC	Nuclear Science Advisory Committee
CAC	Community Advisory Council	NSLS	National Synchrotron Light Source
CAP	Corrective Action Plan	NSLS-II	The future National Synchrotron Light Source
CD-0	Critical Decision Zero (Approve Mission Need)	NYS	New York State
CD-1	Critical Decision One (Approve Alternative Selection and Cost Range)	NYCCS	New York Center for Computational Science
CD-2	Critical Decision Two (Approve Performance Baseline)	OHSAS	Occupational Health Safety Assessment Series
CD-3	Critical Decision Three (Approve Start of Construction)	OMB	Office of Management and Budget
CD-4a	Critical Decision Four (Beneficial Occupancy)	OSHA	Occupational Safety and Health Administration
CD-4b	Critical Decision Four (Approve Start of Full Operations)	PED	Project Engineering and Design
CDR	Conceptual Design Report	PEMP	Performance Evaluation Measurement Plan (a.k.a Contract Appendix B)
CFN	Center for Functional Nanomaterials	QCD	Quantum Chromodynamics
CTN	Center for Translational Neuroimaging	R&D	Research and Development
DOE	Department of Energy	RHIC	Relativistic Heavy Ion Collider
EA	Environmental Assessment	ROD	Record of Decision
EBIS	Electron Beam Ion Source	RSB	Research Support Building
ES&H	Environment, Safety, and Health	S&T	Science and Technology
ESH&Q	Environment, Safety, Health & Quality	S&TSC	Science and Technology Steering Committee
ESS&H	Environment, Safety, Security, and Health	SBU	Stony Brook University
EVMS	Earned Value Management System	SFA	Strategic Focus Area
FACE	Free Air Carbon Dioxide Enrichment	SWOT	Strengths, Weaknesses, Opportunities, and Threats
FWP	Field Work Proposal		
FY	Fiscal year		
G & A	General and Administrative		
GNEP	Global Nuclear Energy Partnership		

Revision History

Date	Descriptions
11/15/2007	Initial Publication of FY07 Annual Lab Plan
5/2007	<ul style="list-style-type: none"> • Under the “Advancing the Frontiers of Science SFA”, deleted target to begin remote operations of BG/L at IBM because remote operations were no-longer necessary • Under the “Advancing the Frontiers of Science SFA”, deleted target to have an overall grade of “>=A” in DOE annual performance evaluation from all research programs because measurement of this is beyond the scope of ALP reporting. • Under the “Advancing the Frontiers of Science SFA”, eliminated target for effective R&D personal contact at appropriate level in sponsor organizations because we did not have an objective approach to measure this performance. • Under the “Improving the Quality and Reducing the Costs of Doing Business” SFA, eliminated “Effective Performance Management” Objective and target “Open identification, reporting, analysis, and timely disposition of significant deviations from expected performance” because we did not have an objective approach to measure this performance. • Under the “Achieve Excellence in ESS&H” SFA, clarified targets under the Emergency Preparedness-Achieve and sustain full compliance with DOE O 151.1 objective and moved it to the continuous improvement part of the SFA. • Under the “Achieve Excellence in ESS&H” SFA, added an objective and three targets related to authorization basis documentation and management processes. • Under the “Achieve Excellence in ESS&H” SFA, moved objective, “Reduce impact of legacy activities of the Laboratory” to baseline performance part of the SFA • Eliminated previous Appendix A, Lab Funding and Resource Allocation for Fiscal year 2007. Re-lettered remaining appendices • Minor editorial corrections and clarifications



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